

Title (en)

LENS ASSEMBLY FOR IMPROVING PHOROPTER PERFORMANCE

Title (de)

LINSENANORDNUNG ZUR VERBESSERUNG EINER PHOROPTERLEISTUNG

Title (fr)

ENSEMBLE LENTILLE POUR L'AMÉLIORATION DES PERFORMANCES D'UN RÉFRACTEUR

Publication

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Abstract (en)

[origin: WO2011034638A1] Aspects of the present invention provide systems, methods, and apparatuses for providing coarse vision correction tuning capability, fine vision correction tuning capability, and/or high-order aberration correction capability. An optical device or lens assembly of the present invention can include one or more conventional lenses, one or more fluid or liquid lenses, one or more electro-active lenses, or any combination thereof. The optical device or lens assembly can be mechanically, adhesively, or magnetically coupled to a phoropter or can be built into the phoropter as an integrated add-on lens assembly. Electro-active lenses within the lens assembly of the present invention can provide a range of optical powers - including positive, neutral (piano), and negative optical powers - that can be discretely or continuously tuned or adjusted. A wired or wireless remote unit can be used to control the lens assembly of the present invention.

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See references of WO 2011034638A1

Cited by

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